

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US2005/003215

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G02B13/06 G02B17/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 867 251 A (THE GENERAL ELECTRIC COMPANY LIMITED) 3 May 1961 (1961-05-03)	1,2, 4-14,18, 20-25, 27-37, 43-46
Y	page 1, column 62 - page 3, column 4; figure 1	16,17, 39,40
Y	US 2 430 595 A (YOUNG WILLIAM A) 11 November 1947 (1947-11-11) column 2, line 54 - column 4, line 46; figures 2-4	16,17, 39,40
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Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
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Date of the actual completion of the international search

18 May 2005

Date of mailing of the international search report

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>US 2002/121574 A1 (DAVIS JOHN E) 5 September 2002 (2002-09-05)</p> <p>paragraphs '0035! - '0037!; figure 4</p>	<p>1,2,4, 6-14,17, 19-25, 27, 29-37, 40,42-46</p>
X	<p>WO 02/059676 A (WAVEGROUP LTD; GAL, EHUD; LITEYGA, GENNADIY; EYAL, REUVEN) 1 August 2002 (2002-08-01)</p> <p>page 15, line 1 - page 17, line 20; figures 1a,1b,1c,5a,5b,6a,6b page 20, line 11 - page 22, line 13 page 26, line 3 - page 27, line 11</p>	<p>1,2,4, 6-17, 20-25, 27, 29-40, 43-46</p>
X	<p>WO 03/096078 A (SPHEREVIEW LTD; GAL, EHUD) 20 November 2003 (2003-11-20)</p> <p>page 14, last paragraph - page 15, last paragraph; figures 4,6 page 16, last paragraph - page 18</p>	<p>1,2,4, 6-16, 20-25, 27, 29-39, 43-46</p>
X	<p>EP 0 816 891 A (HE HOLDINGS, INC. DBA HUGHES ELECTRONICS; RAYTHEON COMPANY) 7 January 1998 (1998-01-07)</p> <p>page 3, column 34 - page 5, column 28; figure 3</p>	<p>1,2,4, 6-16, 20-25, 27, 29-39, 43-46</p>
X	<p>WO 03/042743 A (MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD; MATSUKI, DAIZABURO; YOSHIKAWA) 22 May 2003 (2003-05-22)</p> <p>figures 1,12,29,31,35 & EP 1 452 899 A (MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD) 1 September 2004 (2004-09-01) paragraphs '0058!, '0148! - '0151!</p>	<p>1-4, 6-15,17, 20-38, 40,43-46</p>

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Information on patent family members

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